

REMARKS

Sequence Listing

The substitute Sequence Listing has been revised to correct an error in the nucleic acid sequence as set forth as SEQ ID NO:3 in the original Sequence Listing. The correction of this error conforms the coding sequence of SEQ ID NO:3 with the protein sequence as set forth in the original Sequence Listing as SEQ ID NO:4.

Specifically, when the nucleic acid sequence of the original SEQ ID NO:3 is translated and the resulting amino acid sequence is compared to the amino acid sequence in SEQ ID NO:4, there is agreement in the sequences up to and including the amino acid at position 86, a histidine. However, in the translated original SEQ ID NO: 3 the amino acid at position 87 would be a threonine, while in SEQ ID NO:4 the amino acid at position 87 is a serine. Thus, beginning at position 87 the translated amino acid sequence of SEQ ID NO:3 and the amino acid sequence of SEQ ID NO:4 diverge.

When the original SEQ ID NO: 3 is examined it is evident that the alternate amino acid translation arises from the deletion of a nucleotide causing a shift in the reading frame. Specifically, the deletion occurs between the nucleotides at positions 352 and 353 of the original SEQ ID NO:3. When a nucleotide is inserted at this position in the sequence in the substituted SEQ ID NO:3 it correctly translates into SEQ ID NO: 4. The identity of the deleted nucleotide, a guanine, in the original SEQ ID NO: 3 is disclosed in the entry for GenBank Accession number U46923 as specified in the Table on page 14 of the specification.

In view of this analysis, the original SEQ ID NO:3 has been revised in the substitute Sequence Listing to contain this deleted nucleotide so that the coding sequence in substituted SEQ ID NO:3 for the protein in SEQ ID NO: 4 conforms to the shown protein sequence. In view of this analysis, it is further submitted that the substitute Sequence Listing does not contain any new matter.

It is submitted that the above amendment does not contain new matter and its entry is requested.

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Attachments: Substitute Sequence Listing

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